

STIC Search.

INVENTOR SEARCH

=> fil casre; d que l16; d que l20;d que l22
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FILE CONTENT:1840 - 11 Dec 2006 VOL 145 ISS 24

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This file contains CAS Registry Numbers for easy and accurate substance identification.

L16 2 SEA FILE=CASREACT ABB=ON "MAGARIBUCHI KAGETOMO"/AU

L18 45 SEA FILE=CASREACT ABB=ON ITO A?/AU
L19 11 SEA FILE=CASREACT ABB=ON OHASHI H?/AU
L20 1 SEA FILE=CASREACT ABB=ON L18 AND L19

L18 45 SEA FILE=CASREACT ABB=ON ITO A?/AU
L19 11 SEA FILE=CASREACT ABB=ON OHASHI H?/AU
L21 8703 SEA FILE=CASREACT ABB=ON BENZYLAMIN?
L22 2 SEA FILE=CASREACT ABB=ON (L18 OR L19) AND L21

=> s l16,l20,l22 or (l16,l20,l22 and l23)
L36 3 (L16 OR L20 OR L22) OR ((L16 OR L20 OR L22) AND L23)

=> fil capl; d que l1; d que l5; d que l6; d que l9
FILE 'CAPLUS' ENTERED AT 15:33:44 ON 12 DEC 2006
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FILE COVERS 1907 - 12 Dec 2006 VOL 145 ISS 25
FILE LAST UPDATED: 11 Dec 2006 (20061211/ED)

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'OBI' IS DEFAULT SEARCH FIELD FOR 'CAPLUS' FILE

L1 1 SEA FILE=CAPLUS ABB=ON US2005-540749/AP

L2 5163 SEA FILE=CAPLUS ABB=ON ITO A?/AU
L3 1841 SEA FILE=CAPLUS ABB=ON OHASHI H?/AU
L4 12 SEA FILE=CAPLUS ABB=ON MAGARIBUCHI K?/AU
L5 1 SEA FILE=CAPLUS ABB=ON (L2 OR L3) AND L4

L2 5163 SEA FILE=CAPLUS ABB=ON ITO A?/AU
L3 1841 SEA FILE=CAPLUS ABB=ON OHASHI H?/AU
L6 3 SEA FILE=CAPLUS ABB=ON L2 AND L3

L2 5163 SEA FILE=CAPLUS ABB=ON ITO A?/AU
L3 1841 SEA FILE=CAPLUS ABB=ON OHASHI H?/AU
L4 12 SEA FILE=CAPLUS ABB=ON MAGARIBUCHI K?/AU
L7 46876 SEA FILE=CAPLUS ABB=ON ?BENZYLAMIN?/BI
L8 26 SEA FILE=CAPLUS ABB=ON (L2 OR L3 OR L4) AND L7
L9 15 SEA FILE=CAPLUS ABB=ON PREP/RL AND L8

=> s (l1,l5,l6,l9) or (l1,l5,l6,l9 and l26)
1803 L26

L37 17 ((L1 OR L5 OR L6 OR L9)) OR ((L1 OR L5 OR L6 OR L9) AND L26)

=> dup rem l36,l37

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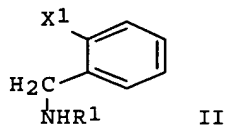
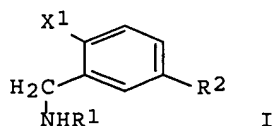
PROCESSING COMPLETED FOR L37

L38 18 DUP REM L36 L37 (2 DUPLICATES REMOVED)
ANSWERS '1-3' FROM FILE CASREACT
ANSWERS '4-18' FROM FILE CAPLUS

=> d ibib ed abs hit 1-3; d ibib ed abs hitstr 4-18
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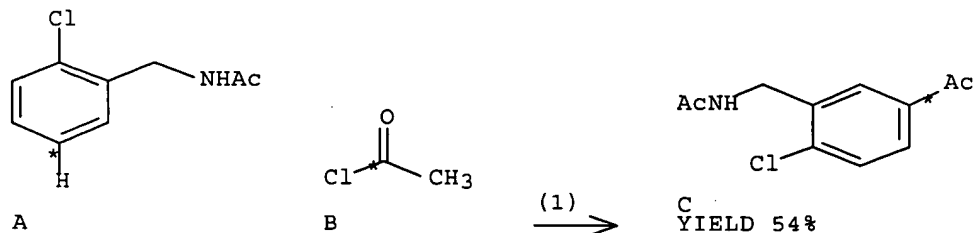
L38 ANSWER 1 OF 18 CASREACT COPYRIGHT 2006 ACS on STN DUPLICATE 1
 ACCESSION NUMBER: 141:88918 CASREACT Full-text
 TITLE: Preparation of benzylamine derivative
 INVENTOR(S): Ito, Akinori; Ohashi, Hideaki;
 Magaribuchi, Kagetomo
 PATENT ASSIGNEE(S): Ihara Chemical Industry Co., Ltd., Japan
 SOURCE: PCT Int. Appl., 34 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004058681	A1	20040715	WO 2003-JP16995	20031226
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2511590	AA	20040715	CA 2003-2511590	20031226
AU 2003292706	A1	20040722	AU 2003-292706	20031226
EP 1586552	A1	20051019	EP 2003-768351	20031226
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003017781	A	20051122	BR 2003-17781	20031226
CN 1802343	A	20060712	CN 2003-80108981	20031226
US 2006155141	A1	20060713	US 2005-540749	20050624
PRIORITY APPLN. INFO.:			JP 2002-376272	20021226
			WO 2003-JP16995	20031226
OTHER SOURCE(S):			MARPAT 141:88918	
GI				



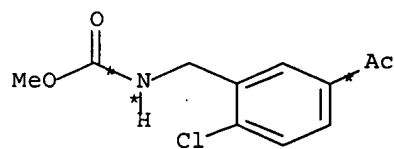
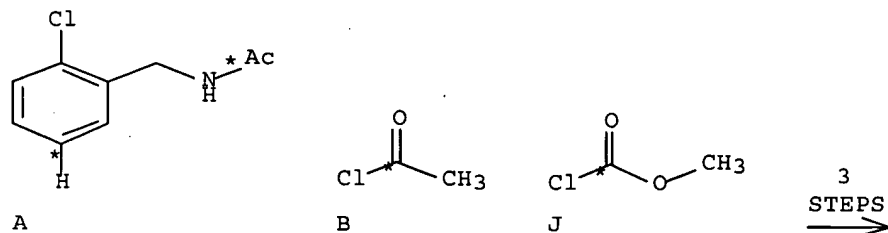
AB Title compds. I (X1 = halo; R1, R2 = acyl), useful as intermediates for agrochem. fungicides, are prepared by reaction of compds. II with R2X2 (X2 = halo) in the presence of Lewis acids. Thus, acetylation of 2-ClC6H4CH2NHAc with AcCl in the presence of AlCl3 in CH2Cl2 gave 54.3% I (X1 = Cl, R1 = R2 = Ac) (III). Hydrolysis of III with H2SO4 followed by reaction with ClCO2Me gave N-(2-chloro-5-acetylbenzyl)carbamic acid Me ester.

RX(1) OF 10 ...A + B ==> C...



RX(1) RCT A 57058-32-9, B 75-36-5
 RGT D 7446-70-0 AlCl₃
 PRO C 714915-75-0
 SOL 75-09-2 CH₂Cl₂
 CON SUBSTAGE(1) 1 hour, room temperature
 SUBSTAGE(2) 12 hours, reflux

RX(8) OF 10 COMPOSED OF RX(1), RX(2), RX(3)
 RX(8) A + B + J ==> K



YIELD 90%

RX(1) RCT A 57058-32-9, B 75-36-5
 RGT D 7446-70-0 AlCl₃
 PRO C 714915-75-0
 SOL 75-09-2 CH₂Cl₂
 CON SUBSTAGE(1) 1 hour, room temperature

SUBSTAGE(2) 12 hours, reflux

RX(2) RCT C 714915-75-0

STAGE(1)

RGT G 7664-93-9 H₂SO₄

SOL 7732-18-5 Water

CON SUBSTAGE(1) 30 minutes, room temperature -> reflux

SUBSTAGE(2) 15 hours, reflux

STAGE(2)

RGT H 1310-73-2 NaOH

SOL 7732-18-5 Water

CON pH 12

PRO F 714915-76-1

RX(3) RCT F 714915-76-1, J 79-22-1

RGT L 584-08-7 K₂CO₃

PRO K 325155-92-8

SOL 108-88-3 PhMe

CON 3 hours, room temperature

TI Preparation of benzylamine derivative

IN Ito, Akinori; Ohashi, Hideaki; Magaribuchi, Kagetomo

ST benzylamine prepn intermediate fungicide

IT Fungicides

(agrochem., intermediates; preparation of benzylamine derivs. as intermediates for agrochem. fungicides)

IT 714915-75-0P

RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (preparation of benzylamine derivs.)

IT 325155-92-8P 714915-76-1P

RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)

(preparation of benzylamine derivs.)

IT 75-36-5, Acetyl chloride 79-22-1, Methyl chlorocarbonate 89-97-4, (2-Chlorophenyl)methylamine 108-24-7, Acetic anhydride 57058-32-9

RL: RCT (Reactant); RACT (Reactant or reagent)

(preparation of benzylamine derivs.)

IT 7446-70-0, Aluminum chloride, reactions

RL: RGT (Reagent); RACT (Reactant or reagent)

(preparation of benzylamine derivs.)

L38 ANSWER 2 OF 18 CASREACT COPYRIGHT 2006 ACS on STN DUPLICATE 2

ACCESSION NUMBER: 129:54177 CASREACT Full-text

TITLE: Preparation of cyclopentylamine derivatives as agrochemical fungicides

INVENTOR(S): Ito, Atsushi; Kumazawa, Satoru; Eizuka, Takayoshi; Niizeki, Yoshitaka

PATENT ASSIGNEE(S): Kureha Kagaku Kogyo Kabushiki Kaisha, Japan

SOURCE: PCT Int. Appl., 60 pp.

CODEN: PIXXD2

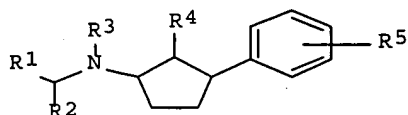
DOCUMENT TYPE: Patent

LANGUAGE: Japanese

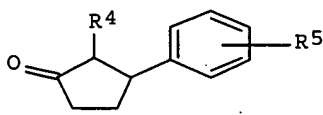
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9824754	A1	19980611	WO 1997-JP4432	19971204
W: JP, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
PRIORITY APPLN. INFO.:			JP 1996-324337	19961204
OTHER SOURCE(S):			MARPAT 129:54177	
GI				



I



II

AB The title compds. [I; R1 is (un)substituted aryl, aralkyl or a heterocyclic group; R2, R3, R4 are H or C1-3 alkyl; R5 is H, halo or C1-5 alkyl] are prepared by reductively aminating a cyclopentanone derivs. (II; R4-R5 = same as above). I are useful as agrochem. fungicides. Thus, II (R4 = H, R5 = tert-Bu) was reacted with N-methylbenzylamine in the presence of NaBH3CN to give cis- and trans-I (R1 = Ph, R2 = R4 = H, R3 = Me, R5 = tert-Bu) with yield of 55.0 and 28.5% resp., which showed 100% fungicidal activity for *Sphaerotheca fuliginea*.

REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

IN Ito, Atsushi; Kumazawa, Satoru; Eizuka, Takayoshi; Niizeki, Yoshitaka
 IT 74-88-4, Iodomethane, reactions 100-46-9, Benzylamine, reactions 103-67-3, N-Methylbenzylamine 352-11-4, 4-Fluorobenzyl chloride 593-51-1, Methylamine hydrochloride 25016-11-9, 4-Formyl-1-methylpyrazole 70258-18-3, 6-Chloro-3-chloromethylpyridine 115614-46-5 208727-54-2
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation of cyclopentylamine derivs. as agrochem. fungicides)

L38 ANSWER 3 OF 18 CASREACT COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 131:18836 CASREACT Full-text
 TITLE: Process for producing toluene derivatives
 INVENTOR(S): Yoshida, Yasuo; Hamada, Yusuke; Magaribuchi, Kagetomo; Takeuchi, Hiroaki
 PATENT ASSIGNEE(S): Ihara Chemical Industry Co., Ltd., Japan
 SOURCE: PCT Int. Appl., 42 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9929699	A1	19990617	WO 1998-JP5571	19981209
W: AU, CA, IL, JP, KR, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
CA 2313760	AA	19990617	CA 1998-2313760	19981209

AU 9915049
AU 745169
EP 1044980

A1 19990628
B2 20020314
A1 20001018

AU 1999-15049 19981209
EP 1998-959142 19981209

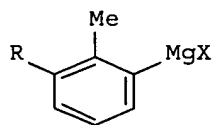
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, FI

PRIORITY APPLN. INFO.:

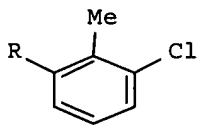
JP 1997-356197 19971209
JP 1997-363019 19971212
WO 1998-JP5571 19981209

OTHER SOURCE(S):
GI

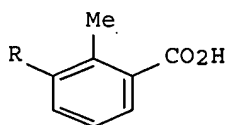
MARPAT 131:18836



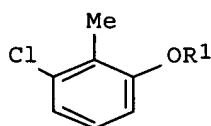
I



II



III



IV

AB Toluene derivs. I (R = F, Cl, alkoxy, alkylthio; X = halo) were prepared by reaction of 2-chloro-6-substituted-toluene derivs. II (R = same as above) with metallic magnesium in the presence of alkyl bromides in ethereal solvents. Toluene derivs. III were prepared by reaction of I with CO₂. Toluene derivs. IV (R₁ = alkyl) were prepared by reaction of 2,6-dichlorotoluene with metal alcoholates and alkylating agents. Thus, reaction of 2,6-dichlorotoluene with NaOMe/MeOH in DMSO at 150-155° for 3.5 h gave, after treatment with Me₂SO₄, 91.0% 2-chloro-6-methoxytoluene.

REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

IN Yoshida, Yasuo; Hamada, Yusuke; Magaribuchi, Kagetomo; Takeuchi, Hiroaki

L38 ANSWER 4 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2001:101101 CAPLUS Full-text

DOCUMENT NUMBER: 134:162834

TITLE: Preparation of ureas as inhibitors of CCR-3 receptor

INVENTOR(S): Padia, Janak; Hocker, Michael D.; Ohashi, Hiroshi; Nishitoba, Tsuyoshi; Sawa, Eiji

PATENT ASSIGNEE(S): Kirin Beer Kabushiki Kaisha, Japan

SOURCE: PCT Int. Appl., 177 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001009088	A1	20010208	WO 2000-US17868	20000728

W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

EP 1200395 A1 20020502 EP 2000-950266 20000728

EP 1200395 B1 20060329

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL

AT 321751 E 20060415 AT 2000-950266 20000728

ES 2260036 T3 20061101 ES 2000-950266 20000728

US 6875884 B1 20050405 US 2002-19652 20020702

PRIORITY APPLN. INFO.: US 1999-146219P P 19990728

US 2000-191094P P 20000322

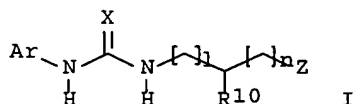
US 1999-146216P P 19990728

WO 2000-US17868 W 20000728

OTHER SOURCE(S): MARPAT 134:162834

ED Entered STN: 09 Feb 2001

GI



AB The title compds. [I; 1, n = 0-5; 1 + n = 1-5; X = O, S; R10 = H, OH, cycloalkyloxy, etc.; Ar = (un)substituted aryl, heteroaryl; Z = NR1R2, (NR1R2R3)+; R1 = (un)substituted CH2Ph, (CH2)2Ph, etc.; R2, R3 = alkyl, alkenyl, alkynyl] which inhibit cell function of the chemokine receptor CCR-3, and therefore are useful for treating a range of diseases thought to be mediated by the CCR-3 receptor, were prepared E.g., a multi-step synthesis of I [X = O; Ar = Ph; 1, n = 1; R10 = H; Z = NR1R2; R1 = 4-ClC6H4(CH2)2; R2 = Et] which showed 100% inhibition of eotaxin-induced chemotaxis of CCR3 transfectants, was given. A variety of useful urea and thiourea derivs. I can be synthesized using liquid and solid phase synthesis protocols.

REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L38 ANSWER 5 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2001:463221 CAPLUS Full-text

DOCUMENT NUMBER: 135:61247

TITLE: Preparation of sulfonylaminomethylpiperidinylethylamines for antiobesity, antidiabetics, and antihypertensives

INVENTOR(S): Sato, Yoshinari; Itani, Hiromichi; Ito, Tatsunobu; Sakata, Yoshihiko; Hatakeyama, Yoshifumi; Ohashi, Hiroko

PATENT ASSIGNEE(S): Fujisawa Pharmaceutical Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 64 pp. CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001172257	A2	20010626	JP 2000-302567	20001002
PRIORITY APPLN. INFO.:			JP 1999-284407	A 19991005

OTHER SOURCE(S): MARPAT 135:61247

ED Entered STN: 27 Jun 2001

AB The compds. R1R2(NR6)PR5AR3(SO2)SR4 [R1 = (un)substituted (un)saturated C ring, heterocyclyl; R2 = bond, (un)substituted lower alkylene; R3 = piperidinediyl, (CH₂)_n, CHR₇, NH, CO; R7 = indolylmethyl; n = 1-4; R4 = (un)substituted aryl, aralkyl, heterocyclyl; R5 = bond, lower alkylene, (CH₂)_mCO; m = 0-1; R6 = H, OH; A = N-containing saturated heterocyclylene; p = 0-1; s = 0-1] are prepared N-[[4-[(naphthalen-1-yl)sulfonylaminomethyl]piperidin-1-yl]carbonylmethyl]-2- indolinecarboxamide (263.0 mg) was reacted with borane-Me₂S complex in THF under reflux for 2 h and treated with HCl under reflux for 1 h to give 104.8 mg N-(indolin-2-yl)methyl-N-[4-[(naphthalen-1-yl)sulfonylaminomethyl]piperidin-1-yl]ethylamine hydrochloride showing good inhibitory activity against neuropeptide Y receptor in vitro.

L38 ANSWER 6 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1997:504671 CAPLUS Full-text

DOCUMENT NUMBER: 127:269213

TITLE: Migration behavior of palladium in uranium dioxide

AUTHOR(S): Yoneyama, Mitsuru; Sato, Seichi; Ohashi, Hiroshi; Ogawa, Toru; Ito, Akinori; Fukuda, Kousaku

CORPORATE SOURCE: Division of Quantum Energy Engineering, Graduate School of Engineering, Hokkaido University, Sapporo, 060, Japan

SOURCE: Journal of Nuclear Materials (1997), 247, 50-58
CODEN: JNUMAM; ISSN: 0022-3115

PUBLISHER: Elsevier

DOCUMENT TYPE: Journal

LANGUAGE: English

ED Entered STN: 09 Aug 1997

AB The migration behavior of palladium in UO₂ was investigated by determining the concentration profiles of Pd in UO₂ at temps. from 1573 to 2073 K in Ar+3% H₂. Pd was found exclusively in the pores of UO₂. The maximum penetration depth of Pd was more than 100 μm for the pellet of 90% TD and about 50 μm for the pellet of 95% TD for 100 h at 1623 K. Melted Pd wetted UO₂ well and U was detected both in ppts. and in Pd sources, forming an α-Pd phase containing U at about 10 atomic%. On the basis of thermodyn. calcns., it was found that a UPd₃ and Pd alloy containing U can form even under the oxygen potential, where O/U ratios were slightly higher than 2.00, say 2.000-2.003. From the above results, a model of the gaseous diffusion of Pd through pores in UO₂ retarded by the formation of U-Pd alloy was proposed.

REFERENCE COUNT: 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L38 ANSWER 7 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1993:659488 CAPLUS Full-text

DOCUMENT NUMBER: 119:259488

TITLE: Electrophotographic photoreceptors using specific azo compound charge-generating agent

INVENTOR(S): Ito, Akira; Nagamura, Hideki

PATENT ASSIGNEE(S): Mitsubishi Paper Mills Ltd, Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 16 pp.

DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 05142840	A2	19930611	JP 1991-328064	19911115
PRIORITY APPLN. INFO.:			JP 1991-328064	19911115
ED Entered STN: 11 Dec 1993				
GI				

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The photoreceptors contain, on a conductive support, an azo compound I [R1 = H, alkyl, aralkyl, aromatic ring or heterocyclic ring residue; R2, R3 = H, halo, alkyl, alkoxy aralkyl, (all the groups and residues may be substituted); A = coupler residue; m, n = 1-4]. The photoreceptors show good photosensitivity and durability in repeated use. Thus, an Al vapor-deposited polyester film was coated with a charge-generating layer containing II and with a charge-transporting layer containing p- dibenzylaminobenzaldehyde diphenylhydrazone to give a photoreceptor.

L38 ANSWER 8 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1994:88922 CAPLUS Full-text
 DOCUMENT NUMBER: 120:88922
 TITLE: Migration behavior of palladium in uranium dioxide,
 (3)
 AUTHOR(S): Yoneyama, Mitsuru; Sato, Seichi; Ohashi,
 Hiroshi; Ogawa, Toru; Ito, Akinori;
 Fukuda, Kousaku
 CORPORATE SOURCE: Hokkaido Univ., Sapporo, Japan
 SOURCE: Report (1992), JAERI-M-92-118; Order No. DE93754309,
 55 pp. Avail.: NTIS
 From: Energy Res. Abstr. 1993, 18(3), Abstr. No. 5464
 DOCUMENT TYPE: Report
 LANGUAGE: Japanese
 ED Entered STN: 19 Feb 1994

AB Pd is easily released from UO2 kernels in HTGR coated fuel particles and reacts with the SiC coating layer. In addition, Pd is 1 of the metallic fission products in irradiated UO2, which constitutes an insol. residue in reprocessing of LWR fuels. In the present investigation, the migration of Pd in UO2 was examined by heating diffusion pairs of sandwiched Pd foil between UO2 wafers at 1300-1800°. Expts. were also conducted on the affinity of Pd and the formation of U-Pd alloy. Pd was found mainly in the pores of UO2. The maximum depth intruded by Pd in fairly large amount was 100 µm for UO2 with 90% of theor. d. (TD) and 50 µm for UO2 with 95% TD, while the maximum length of open pores was 330 µm for UO2 with 90% TD, and 50 µm for that with 95% TD. Fused Pd wetted UO2 very much. Pd intruded deeply into UO2, especially in the edge of the Pd droplet. Furthermore, U was detected either in ppts. or the Pd source with α-Pd phase of U-Pd alloy containing Pd at .apprx.10at.%. This fact indicates that Pd highly reacts with UO2. From the above results, the transport of Pd in UO2 was explained by the model of gaseous diffusion through pores in UO2, which is retarded by formation of U-Pd

alloy. The UPd3 forms even at the 0 potential condition of a O/U ratio which is a little higher than 2.00 on the basis of thermodyn. calcn.

L38 ANSWER 9 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1992:265601 CAPLUS Full-text
DOCUMENT NUMBER: 116:265601
TITLE: Electrophotographic photoreceptor containing disazo
charge-generating agent
INVENTOR(S): Ito, Akira; Okaji, Makoto
PATENT ASSIGNEE(S): Mitsubishi Paper Mills, Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 17 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 04021856	A2	19920124	JP 1990-127897	19900516
PRIORITY APPLN. INFO.:			JP 1990-127897	19900516
OTHER SOURCE(S):	MARPAT 116:265601			
ED Entered STN:	27 Jun 1992			
GI				

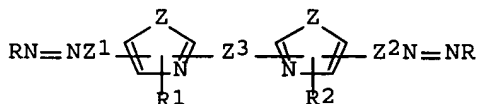
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The photoreceptor contains disazo compound I [R1, R2 = OH-having aryl, heterocyclic group; R3 = H, halo, cyano, (substituted) alkyl, aralkyl, aryl, heterocyclic group; Z1, Z2 = (substituted) arylene; Z3 = (substituted) aromatic group, heterocyclic group]. The photoreceptor showed good photosensitivity and durability in repeating use. Thus, an Al-deposited polyester film was coated with a charge-generating layer containing II and a charge-transporting layer containing p- dibenzylaminobenzaldehyde diphenylhydrazone to give a photoreceptor.

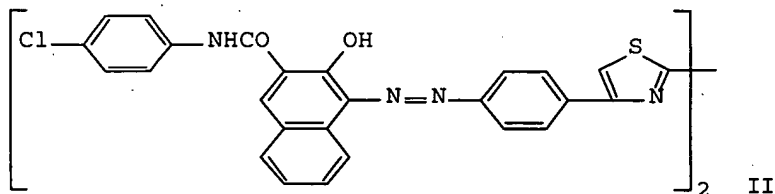
L38 ANSWER 10 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1992:72263 CAPLUS Full-text
DOCUMENT NUMBER: 116:72263
TITLE: Electrophotographic photoreceptors using heterocyclic
bisazo compounds as charge-generating agent
INVENTOR(S): Nagamura, Hideki; Toritsuka, Koichi; Ito,
Akira
PATENT ASSIGNEE(S): Mitsubishi Paper Mills, Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 14 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 03149561	A2	19910626	JP 1989-289171	19891107
PRIORITY APPLN. INFO.:			JP 1989-289171	19891107

OTHER SOURCE(S): MARPAT 116:72263
 ED Entered STN: 21 Feb 1992
 GI



I



II

AB The photoreceptors contain a bisazo compound I [R = aryl or heterocyclic ring having OH group; R1, R2 = H, halo, (substituted) alkyl, aralkyl, aryl; Z = NR3 [R3 = H, (substituted) alkyl, aralkyl, aryl], O, S, Se; Z1, Z2 = (substituted) arylene; Z3 = none, (substituted) alkylene, arylene]. The photoreceptors show improved photosensitivity and durability in repeated use. Thus, an Al vapor-deposited polyester film support was coated with a charge-generating layer containing II and with a charge-transporting layer containing p-dibenzylaminobenzaldehyde diphenylhydrazone to give a photoreceptor.

L38 ANSWER 11 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1992:95721 CAPLUS Full-text

DOCUMENT NUMBER: 116:95721

TITLE: Electrophotographic photoreceptor using bisazo type charge-generating agent

INVENTOR(S): Ito, Akira; Toritsuka, Koichi; Nagamura, Hideki

PATENT ASSIGNEE(S): Mitsubishi Paper Mills, Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 13 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

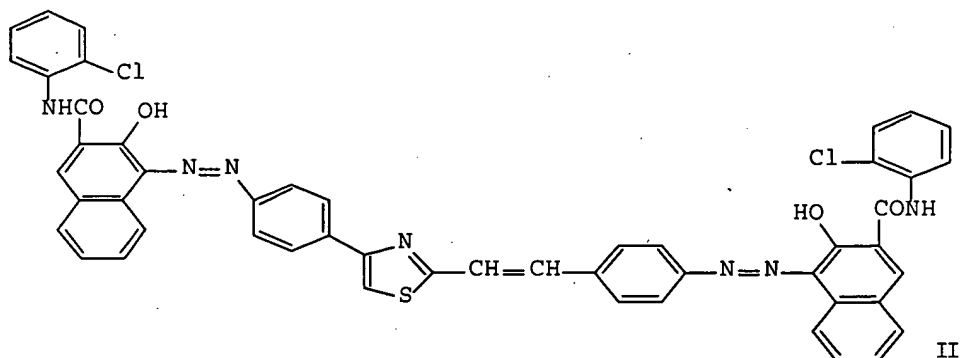
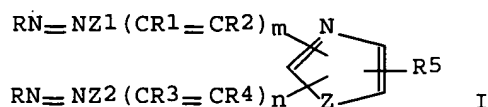
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 03144460	A2	19910619	JP 1989-282420	19891030
PRIORITY APPLN. INFO.:			JP 1989-282420	19891030

OTHER SOURCE(S): MARPAT 116:95721

ED Entered STN: 06 Mar 1992

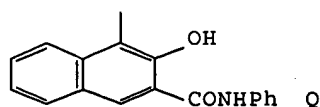
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AB The photoreceptor contains a heterocycle-substituted bisazo compound I [R = aryl, OH-substituted heterocycle; R1-5 = H, halo, cyano, (substituted) alkyl, aralkyl, aryl; Z = NR6, O, S, Se; R6 = H, (substituted) alkyl, aralkyl, aryl; Z1, Z2 = (substituted) arylene; m, n = 0, 1; m ≠ n ≠ 0]. The photoreceptor shows improved charging properties, photosensitivity, and durability in repeated use. Thus, an Al-vaporized polyester film support was coated with a charge-generating layer containing bisazo compound II and with a charge-transporting layer containing p- dibenzylaminobenzaldehyde diphenylhydrazone to give a photoreceptor.

L38 ANSWER 12 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1990:226777 CAPLUS Full-text
 DOCUMENT NUMBER: 112:226777
 TITLE: Electrophotographic photoreceptor having
 amide-containing bisazo pigment charge-generating
 agent
 INVENTOR(S): Ito, Akira; Okaji, Makoto; Enomoto, Kazuhiro
 PATENT ASSIGNEE(S): Mitsubishi Paper Mills, Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 01246556	A2	19891002	JP 1988-75408	19880328
PRIORITY APPLN. INFO.:			JP 1988-75408	19880328
OTHER SOURCE(S): MARPAT 112:226777				
ED Entered STN: 09 Jun 1990				
GI				



AB The title photoreceptor has, on an elec. conductive support, a photosensitive layer containing RN:NZNR1COZ1N:NR [I, R = coupler residue; R1 = H, alkyl, aryl; Z, Z1 = (substituted) aromatic (hetero)cyclic group]. The photoreceptor shows high sensitivity, low residual potential, and good durability. Thus, an Al-coated polyester film was coated with a composition containing I (R = naphthalenyl group Q; R1 = H; Z = Z1 = p-phenylene) and U-100 (polyallylate resin) and overcoated with a composition containing p-dibenzylaminobenzaldehyde diphenylhydrazone and U-100 to give the title photoreceptor.

L38 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1988:519618 CAPLUS Full-text

DOCUMENT NUMBER: 109:119618

TITLE: Azo dye for electrophotographic photoreceptor

INVENTOR(S): Enomoto, Kazuhiro; Haino, Kozo; Ito, Akira

PATENT ASSIGNEE(S): Mitsubishi Paper Mills, Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 14

CODEN: JKXXAF

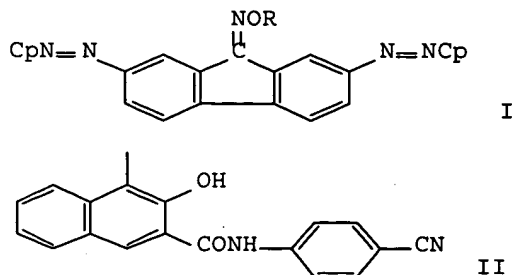
DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63032557	A2	19880212	JP 1986-176527	19860725
PRIORITY APPLN. INFO.:			JP 1986-176527	19860725
ED Entered STN: 01 Oct 1988				
GI				



AB Azo dye I is contained in the photosensitive layer of electrophotog. photoreceptor (R = H, alkyl, aryl, heterocyclyl; Cp = coupler group). I is efficient charge carrier generator, and is stable to light. Thus, Al-coated polyester film was coated with an S-Lec interlayer, a charge carrier-

generating layer containing I (R = H, Cp = II) and polyarylate, and a charge carrier-transporting layer containing N,N- **dibenzylaminobenzaldehyde** 1,1-diphenylhydrazone and polyarylate. Resulting photoconductor showed improved charge retention, high sensitivity, and low residual voltage.

L38 ANSWER 14 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1988:560523 CAPLUS Full-text
 DOCUMENT NUMBER: 109:160523
 TITLE: Charge carrier-generating agent for electrophotographic photoreceptor
 INVENTOR(S): Ito, Akira; Enomoto, Kazuhiro
 PATENT ASSIGNEE(S): Mitsubishi Paper Mills, Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 12
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63017456	A2	19880125	JP 1986-161370	19860708
PRIORITY APPLN. INFO.:			JP 1986-161370	19860708

ED Entered STN: 28 Oct 1988

GI For diagram(s), see printed CA Issue.

AB The photosensitive layer of the electrophotog. photoreceptor contains an azo compound of the formula I (R1, R2 = H, halo, alkyl, alkoxy, dialkylamino, CN; R3 = H, alkyl, aryl; m, n = 1-3; A =II-VIII; X = OH, NR7R8; R7,R8 = H, alkyl, NHSO2R9; R9 = alkyl, aryl; Y = H, halo, alkyl, alkoxy, CO2H, carbamoyl, sulfamoyl; Z = (substituted) C- or heterocyclic ring; R4 = H, NH2, carbamoyl, CO2H, carboxylic ester; R5, R6 = alkyl, aryl; B = (substituted) phenylene, naphthylene). I is stable to heat and light, and provides good electrophotog behavior. Thus, a photoreceptor contained a charge carrier-generating layer containing equal amts. of IX and U-100 (polyarylate), and a carrier-transporting layer containing equal amts. of 4-(N,N-dibenzylamino)-2-methylbenzaldehyde diphenylhydrazone was prepared, and showed good chargeability and high sensitivity.

L38 ANSWER 15 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1987:186393 CAPLUS Full-text
 DOCUMENT NUMBER: 106:186393
 TITLE: Photosensitive materials for electrophotography
 INVENTOR(S): Ito, Akira; Enomoto, Kazuhiro
 PATENT ASSIGNEE(S): Mitsubishi Paper Mills, Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 61185752	A2	19860819	JP 1985-26037	19850213
JP 05049105	B4	19930723		
PRIORITY APPLN. INFO.:			JP 1985-26037	19850213
ED Entered STN: 29 May 1987				
GI For diagram(s), see printed CA Issue.				

AB The title materials have a photosensitive layer containing an azo compound prepared from a mixture of a coupler and another coupler of the general formula I (R = organic moiety having ≥ 12 C atoms; Z = O, NH; A = group of atoms required to form a substituted or unsubstituted aromatic or heteroarom. ring). The azo compound exhibits high charge generation efficiency and high stability against light and heat, and the materials show improved sensitivity and durability. Thus, 3,3'-dichlorobenzidine was reacted with NaNO_2 to form a diazotized compound, which was then reacted with a coupler II and coupler III to obtain an azo compound. An Al substrate was coated with a charge-generating layer composed of the azo compound and U-100 (a polyarylate) and a charge-transport layer composed of 4-(N,N-dibenzylamino)-2-methylbenzaldehyde diphenylhydrazone to give an electrophotog. plate, which showed, by -6 kV corona charging and subsequent visible illumination, a surface potential of -740 V and a half-decay exposure of 2 lx-s initially and -770 V and 3 lx-s, resp., at the 100th run.

L38 ANSWER 16 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1986:635763 CAPLUS Full-text
 DOCUMENT NUMBER: 105:235763
 TITLE: Electrophotographic photoconductor
 INVENTOR(S): Enomoto, Kazuhiro; Haino, Kozo; Ito, Akira
 PATENT ASSIGNEE(S): Mitsubishi Paper Mills, Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 13 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 3
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 61084654	A2	19860430	JP 1984-207631	19841002
JP 02060175	B4	19901214		
US 4631242	A	19861223	US 1985-772878	19850905
PRIORITY APPLN. INFO.:			JP 1984-191992	A 19840913
			JP 1984-206851	A 19841001
			JP 1984-207631	A 19841002

OTHER SOURCE(S): MARPAT 105:235763

ED Entered STN: 26 Dec 1986

GI For diagram(s), see printed CA Issue.

AB The photoconductor has a conductive substrate and a photosensitive layer containing an azo compound I (Z = divalent group with 2 C atoms bonded to the N atoms of the azo groups; A = aromatic C ring, aromatic heterocyclic ring, or unsatd. monocyclic ring). The azo compound is stable and a good charge carrier generator and provides excellent electrophotog. performance. Thus, an Al-coated PET substrate was coated with a 0.05- μ intermediate layer of S-Lec MF10. A 0.5- μ carrier-generating layer was then formed by applying a dispersion 2 g each of II and U-100 (polyarylate). A 12- μ charge-transporting layer was also formed, by application of a solution of 5 g N,N-dibenzylaminobenzaldehyde 1,1-diphenylhydrazone and 7 g of a polyarylate. In the 1st and 500th charge-discharge cycles, the electrophotog. photoconductor was chargeable to -1050 and -1030 V resp., and the required irradiation for voltage half decay was 2.0 and 1.9 lx-s, resp. The residual potential remained at 0 V.

L38 ANSWER 17 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1987:41554 CAPLUS Full-text

DOCUMENT NUMBER: 106:41554
 TITLE: Electrophotographic photoconductors
 INVENTOR(S): Enomoto, Kazuhiro; Haino, Kozo; Ito, Akira
 PATENT ASSIGNEE(S): Mitsubishi Paper Mills, Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 14 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 3
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 61084653	A2	19860430	JP 1984-206851	19841001
JP 04035068	B4	19920609		
US 4631242	A	19861223	US 1985-772878	19850905
PRIORITY APPLN. INFO.:			JP 1984-191992	A 19840913
			JP 1984-206851	A 19841001
			JP 1984-207631	A 19841002

OTHER SOURCE(S): MARPAT 106:41554

ED Entered STN: 07 Feb 1987

GI For diagram(s), see printed CA Issue.

AB The photoconductors have a conductive substrate and a photosensitive layer containing an azo compound RN:NZN:NR1 (Z = divalent group with 2 C atoms bonded to the N atoms of azo groups; R, R1 = I; A = heterocyclic aromatic ring, unsatd. monocyclic hydrocarbon ring; R2 = aryl group having 1 or 2 CF3 groups). The azo compound is stable and a sensitive charge generator and provides excellent electrophotog. performance. Thus, an Al-coated PET film was coated with a 0.05-μ intermediate layer of S-Lec MF10. A 0.5-μ charge-generating layer was formed by applying a dispersion containing 2 g each of II and U-100 (polyarylate). A 12-μ charge-transporting layer was then formed by applying a solution containing 5 g N,N-dibenzylaminobenzaldehyde 1,1-diphenylhydrazone and 7 g of a polyarylate. In the 1st and 500th charge-discharge cycles, chargeable voltages -880 and -870 V, exposure for half voltage decay 2.1 and 2.0 lx-s, and residual voltage 0 V, resp., were observed

L38 ANSWER 18 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1986:470120 CAPLUS Full-text

DOCUMENT NUMBER: 105:70120

TITLE: Electrophotographic photoreceptors

INVENTOR(S): Enomoto, Kazuhiro; Ito, Akira

PATENT ASSIGNEE(S): Mitsubishi Paper Mills, Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 21 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 61022346	A2	19860130	JP 1984-143736	19840710
US 4600674	A	19860715	US 1985-748398	19850624
PRIORITY APPLN. INFO.:			JP 1984-132206	A 19840627
			JP 1984-143736	A 19840710

ED Entered STN: 23 Aug 1986

GI For diagram(s), see printed CA Issue.

AB The claimed electrophotog. photoreceptors contain trisazo pigments I (R = II; R1 = H, halo, alkyl, alkoxy, CN; R2 = H, alkyl, carbocyclic aryl,

heterocyclyl; R3 = carbocyclic aryl, heterocyclyl; A = aromatic carbocycle or heterocycle; n = 1, 2; m = 0, 1). The trisazo pigments I are especially useful as charge carrier-generating pigments, and the photoreceptors show high sensitivity and durability.

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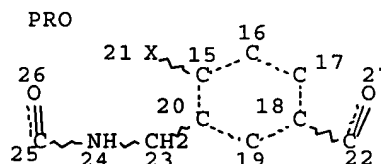
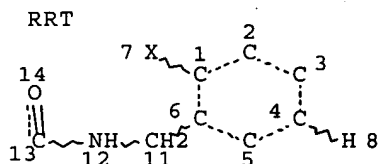
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L14

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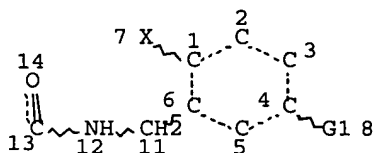
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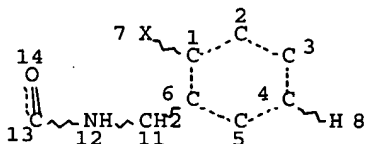
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L40 2 L33 NOT L37

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L40 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:740294 CAPLUS Full-text

DOCUMENT NUMBER: 141:260769

TITLE: Preparation of aminoheteroaryl compounds as protein kinase inhibitors

INVENTOR(S): Cui, Jingjong Jean

PATENT ASSIGNEE(S): Sugan, Inc., USA; Bhumralkar, Dilip; Botrous, Iriny; Chu Ji Yu; Funk, Lee A; Hanau, Cathleen Elizabeth; Harris, G. Davis, Jr.; Jia, Lei; et al.

SOURCE: PCT Int. Appl., 312 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

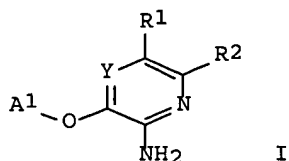
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004076412	A2	20040910	WO 2004-US5495	20040226
WO 2004076412	A3	20041229		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI			
RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2004215428	A1	20040910	AU 2004-215428	20040226
CA 2517256	AA	20040910	CA 2004-2517256	20040226
US 2005009840	A1	20050113	US 2004-786610	20040226
EP 1603570	A2	20051214	EP 2004-715001	20040226
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
BR 2004007827	A	20060214	BR 2004-7827	20040226
CN 1777427	A	20060524	CN 2004-80010633	20040226
JP 2006519232	T2	20060824	JP 2006-503845	20040226
NO 2005004080	A	20051121	NO 2005-4080	20050901
PRIORITY APPLN. INFO.:			US 2003-449588P	P 20030226
			US 2004-540229P	P 20040129
			WO 2004-US5495	A 20040226

OTHER SOURCE(S): MARPAT 141:260769

ED Entered STN: 10 Sep 2004

GI



AB The title aminopyridines and aminopyrazines [I; Y = N, CR11; R1 = aryl, heteroaryl, cycloalkyl, etc.; R2 = H, halo, alkyl, cycloalkyl, etc.; A1 = (CR9R10)NA2 (with provisos); R9, R10 = H, halo, alkyl, cycloalkyl, etc.; n = 0-4; A2 = aryl, heteroaryl, cycloalkyl, heterocyclic; R11 = halo, alkyl, alkoxy, etc.] which have activity as protein kinase inhibitors, including as inhibitors of c-MET (IC50 values given), were prepared E.g., a multi-step synthesis of 3-(3-methoxybenzyloxy)-5-phenylpyridin-2-amine, was given.

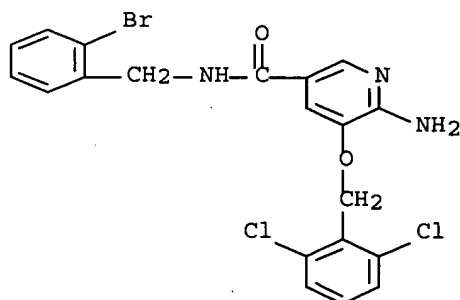
IT 756515-85-2P 756516-34-4P 756516-39-9P
756516-67-3P 756516-68-4P 756516-97-9P
756517-44-9P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of substituted aminopyridines and aminopyrazines as protein kinase inhibitors)

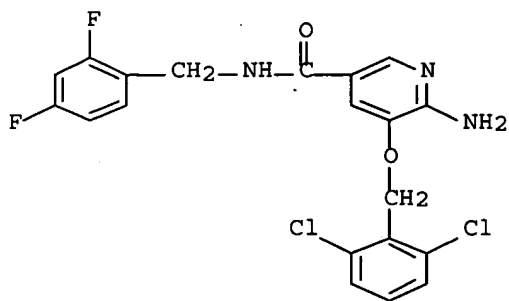
RN 756515-85-2 CAPLUS

CN 3-Pyridinecarboxamide, 6-amino-N-[(2-bromophenyl)methyl]-5-[(2,6-dichlorophenyl)methoxy]- (9CI) (CA INDEX NAME)



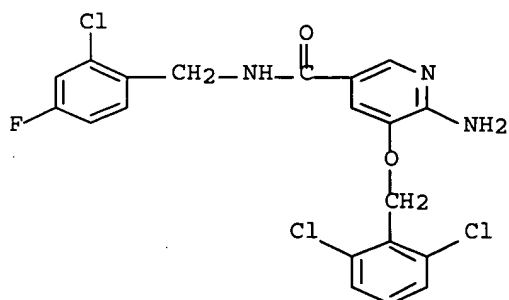
RN 756516-34-4 CAPLUS

CN 3-Pyridinecarboxamide, 6-amino-5-[(2,6-dichlorophenyl)methoxy]-N-[(2,4-difluorophenyl)methyl]- (9CI) (CA INDEX NAME)



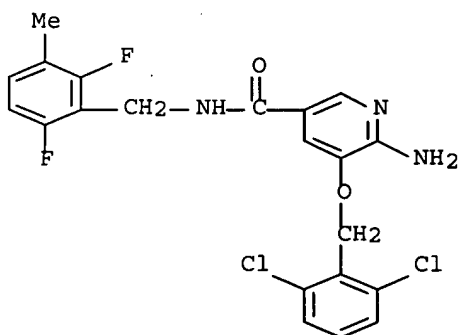
RN 756516-39-9 CAPLUS

CN 3-Pyridinecarboxamide, 6-amino-N-[(2-chloro-4-fluorophenyl)methyl]-5-[(2,6-dichlorophenyl)methoxy]-(9CI) (CA INDEX NAME)



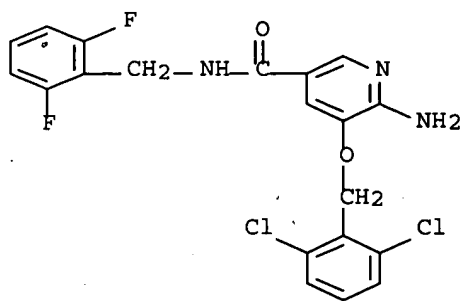
RN 756516-67-3 CAPLUS

CN 3-Pyridinecarboxamide, 6-amino-5-[(2,6-dichlorophenyl)methoxy]-N-[(2,6-difluoro-3-methylphenyl)methyl]-(9CI) (CA INDEX NAME)



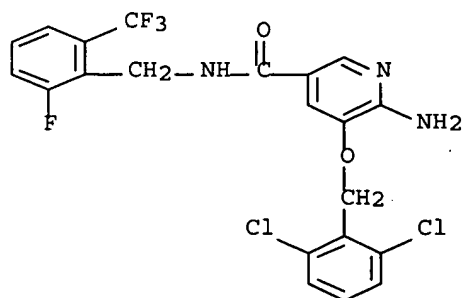
RN 756516-68-4 CAPLUS

CN 3-Pyridinecarboxamide, 6-amino-5-[(2,6-dichlorophenyl)methoxy]-N-[(2,6-difluorophenyl)methyl]-(9CI) (CA INDEX NAME)



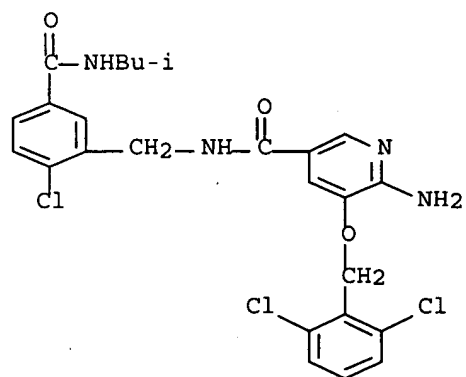
RN 756516-97-9 CAPLUS

CN 3-Pyridinecarboxamide, 6-amino-5-[(2,6-dichlorophenyl)methoxy]-N-[[2-fluoro-6-(trifluoromethyl)phenyl]methyl]- (9CI) (CA INDEX NAME)



RN 756517-44-9 CAPLUS

CN 3-Pyridinecarboxamide, 6-amino-N-[[2-chloro-5-[[[(2-methylpropyl)amino]carbonyl]phenyl]methyl]-5-[(2,6-dichlorophenyl)methoxy]- (9CI) (CA INDEX NAME)



L40 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1970:66642 CAPLUS Full-text
 DOCUMENT NUMBER: 72:66642
 TITLE: Triiodoaniline derivatives
 INVENTOR(S): Ackerman, James H.

PATENT ASSIGNEE(S): Sterling Drug Inc.
 SOURCE: Ger. Offen., 45 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 4
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 1915196	A	19691120	DE 1969-1915196	19690325
GB 1228521	A	19710415	GB 1969-1228521	19690319
NO 124252	B	19720327	NO 1969-1170	19690320
IL 31862	A1	19730829	IL 1969-31862	19690320
BR 6907386	A0	19730531	BR 1969-207386	19690321
IT 974525	A	19740710	IT 1969-35931	19690324
BE 730385	A	19690925	BE 1969-730385	19690325
NL 6904602	A	19690929	NL 1969-4602	19690325
FR 2004680	A5	19691128	FR 1969-8707	19690325
CH 504412	A	19710315	CH 1969-504412	19690325
US 3660408	A	19720502	US 1969-841604	19690714
US 3780041	A	19731218	US 1971-181248	19710916
US 3803221	A	19740409	US 1971-181249	19710916
US 3926975	A	19751216	US 1973-364290	19730529
US 3853965	A	19741210	US 1973-387688	19730813
PRIORITY APPLN. INFO.:			US 1968-715583	A 19680325
			CA 1969-46086	A 19690318
			US 1969-841604	A2 19690714
			US 1971-181248	A3 19710916
			US 1971-181249	A3 19710916

ED Entered STN: 12 May 1984

AB The title products, suitable as x-ray contrast agents, are prepared Thus, 265 g 3,5-diamino-2,4,6-triiodobenzoic acid, 400 g glutaric acid anhydride, and 18 ml H₂SO₄ were heated 17 hr to obtain 3,5-bis(glutarimido)-2,4,6-triiodobenzoic acid (I), m. >300° (containing 1 mole Me₂SO); Na salt m. 288-91° (water). I Na salt (89.10 g) was heated with 400 ml HCONMe₂ 20 min to 85° and 4 hr to 130-5° to give 76.93 g N,N'-(2,4,6-triiodo-m-phenylene)diglutari mide, m. >300° (AcOH). By similar methods were prepared 48 addnl. examples.

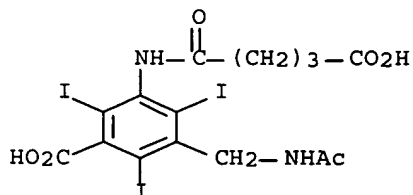
IT 25886-77-5P 25886-78-6P 25886-79-7P

25887-18-7P 25887-19-8P 25887-20-1P

RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)

RN 25886-77-5 CAPLUS

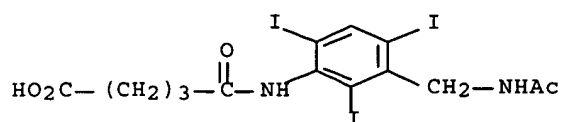
CN Benzoic acid, 3-[(acetylaminomethyl)-5-[(4-carboxy-1-oxobutyl)amino]-2,4,6-triiodo- (9CI) (CA INDEX NAME)



RN 25886-78-6 CAPLUS

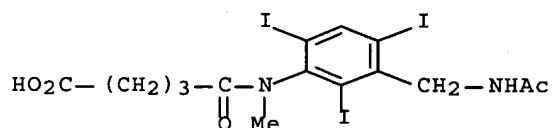
CN Glutaranilic acid, 3'-(acetamidomethyl)-2',4',6'-triiodo- (8CI) (CA INDEX

NAME)



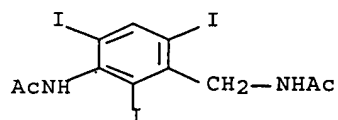
RN 25886-79-7 CAPLUS

CN Glutaranilic acid, 3'-(acetamidomethyl)-2',4',6'-triiodo-N-methyl- (8CI)
(CA INDEX NAME)



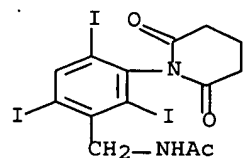
RN 25887-18-7 CAPLUS

CN m-Acetotoluidide, alpha-acetamido-2',4',6'-triiodo- (8CI) (CA INDEX
NAME)



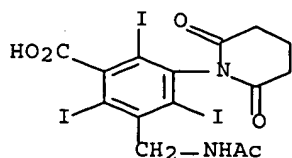
RN 25887-19-8 CAPLUS

CN Acetamide, N-(3-glutarimido-2,4,6-triiodobenzyl)- (8CI) (CA INDEX NAME)



RN 25887-20-1 CAPLUS

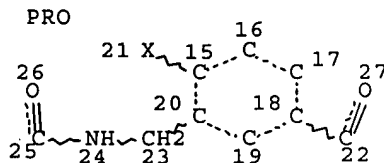
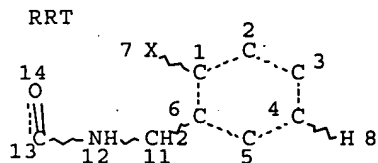
CN Benzoic acid, 3-[(acetylamino)methyl]-5-(2,6-dioxo-1-piperidinyl)-2,4,6-triiodo- (9CI) (CA INDEX NAME)



FILE 'HOME' ENTERED AT 15:35:48 ON 12 DEC 2006

SEARCH HISTORY

=> d stat que l23; d stat que l29; d his nofile
L14 STR



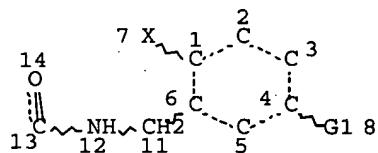
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 25

STEREO ATTRIBUTES: NONE
L23 1 SEA FILE=CASREACT SSS FUL L14 (2 REACTIONS)

100.0% DONE 304 VERIFIED 2 HIT RXNS 1 DOCS
SEARCH TIME: 00.00.01

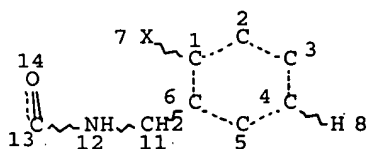
L24 STR



VAR G1=H/9
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 14

STEREO ATTRIBUTES: NONE
L26 16376 SEA FILE=REGISTRY SSS FUL L24
L27 STR



NODE ATTRIBUTES:
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 12

STEREO ATTRIBUTES: NONE
 L29 16154 SEA FILE=REGISTRY SUB=L26 SSS FUL L27

100.0% PROCESSED 16376 ITERATIONS 16154 ANSWERS
 SEARCH TIME: 00.00.01

(FILE 'HOME' ENTERED AT 15:18:42 ON 12 DEC 2006)

FILE 'CAPLUS' ENTERED AT 15:18:54 ON 12 DEC 2006
 E US2005-540749/APPS

L1 1 SEA ABB=ON US2005-540749/AP
 D SCAN
 L2 5163 SEA ABB=ON ITO A?/AU
 L3 1841 SEA ABB=ON OHASHI H?/AU
 L4 12 SEA ABB=ON MAGARIBUCHI K?/AU
 L5 1 SEA ABB=ON (L2 OR L3) AND L4
 L6 3 SEA ABB=ON L2 AND L3
 L7 46876 SEA ABB=ON ?BENZYLAMIN?/BI
 L8 26 SEA ABB=ON (L2 OR L3 OR L4) AND L7
 L9 15 SEA ABB=ON PREP/RL AND L8

FILE 'REGISTRY' ENTERED AT 15:20:59 ON 12 DEC 2006

L10 STR
 L11 50 SEA SSS SAM L10

FILE 'CASREACT' ENTERED AT 15:22:29 ON 12 DEC 2006

L12 STR L10
 L13 0 SEA SSS SAM L12 (0 REACTIONS)
 L14 STR L12
 L15 0 SEA SSS SAM L14 (0 REACTIONS)
 E MAGARIBUCHI/AU
 L16 2 SEA ABB=ON "MAGARIBUCHI KAGETOMO"/AU
 D SCAN
 L17 1 SEA ABB=ON BENZYL?/TI AND L16
 D IALL
 L18 45 SEA ABB=ON ITO A?/AU
 L19 11 SEA ABB=ON OHASHI H?/AU
 L*** DEL 0 S HID
 L20 1 SEA ABB=ON L18 AND L19
 L21 8703 SEA ABB=ON BENZYLAMIN?

L22 2 SEA ABB=ON (L18 OR L19) AND L21
 D QUE L14
 L23 1 SEA SSS FUL L14 (2 REACTIONS)
 SAVE TEMP L23 VAL749CASRE/A

 FILE 'REGISTRY' ENTERED AT 15:29:15 ON 12 DEC 2006
 D QUE L10
 L24 STR L10
 L25 50 SEA SSS SAM L24
 L26 16376 SEA SSS FUL L24
 SAVE TEMP L26 VAL749FULL/A
 L27 STR L24
 L28 50 SEA SUB=L26 SSS SAM L27
 L29 16154 SEA SUB=L26 SSS FUL L27
 SAVE TEMP L29 VAL749RRT/A
 L30 222 SEA ABB=ON L26 NOT L29
 SAVE TEMP L30 VAL749PRO/A

 FILE 'CAPLUS' ENTERED AT 15:32:06 ON 12 DEC 2006
 L31 1614 SEA ABB=ON L29
 L32 52 SEA ABB=ON L30/P
 L33 3 SEA ABB=ON L31 AND L32
 L34 192 SEA ABB=ON L30
 L35 3 SEA ABB=ON L31 AND L34

 FILE 'CASREACT' ENTERED AT 15:33:13 ON 12 DEC 2006
 D QUE L16
 D QUE L20
 D QUE L22
 L36 3 SEA ABB=ON (L16 OR L20 OR L22) OR ((L16 OR L20 OR L22) AND
 L23)

 FILE 'CAPLUS' ENTERED AT 15:33:44 ON 12 DEC 2006
 D QUE L1
 D QUE L5
 D QUE L6
 D QUE L9
 L37 17 SEA ABB=ON ((L1 OR L5 OR L6 OR L9)) OR ((L1 OR L5 OR L6 OR
 L9) AND L26)

 FILE 'CASREACT, CAPLUS' ENTERED AT 15:34:18 ON 12 DEC 2006
 L38 18 DUP REM L36 L37 (2 DUPLICATES REMOVED)
 ANSWERS '1-3' FROM FILE CASREACT
 ANSWERS '4-18' FROM FILE CAPLUS
 D IBIB ED ABS HIT 1-3
 D IBIB ED ABS HITSTR 4-18

 FILE 'CASREACT' ENTERED AT 15:35:08 ON 12 DEC 2006
 D STAT QUE L23
 L39 0 SEA ABB=ON L23 NOT L36

 FILE 'REGISTRY' ENTERED AT 15:35:24 ON 12 DEC 2006
 D STAT QUE L29
 D QUE NOS L30

 FILE 'CAPLUS' ENTERED AT 15:35:32 ON 12 DEC 2006
 D QUE NOS L33
 L40 2 SEA ABB=ON L33 NOT L37
 D IBIB ED ABS HITSTR 1-2

FILE 'HOME' ENTERED AT 15:35:48 ON 12 DEC 2006
D STAT QUE L23
D STAT QUE L29

=>